

PHENIX WEEKLY PLANNING



Dec. 26, 2013
-Jan. 2, 2014
Don Lynch

- Repair and evaluate VTX leaking fitting
- Finish EC hookup & prep for run
- Begin Pink Sheets
- DC West broken wire repairs
- Christmas Eve Holiday (1/2 day)
- Christmas Holiday
- Continue sPHENIX support
 - HCal prototype assembly
 - EMCal prototype assembly
 - Tilting/rotating Support Structure assembly & test
- Future IR evolution modeling

Next Week

- Finish evaluation of VTX leaking fitting
- VTX/FVTX electronics commissioning
- Finish EC hookup & prep for run
- Continue Pink Sheets
- Finish DC West broken wire repairs
- New Year's Day Holiday
- Prepare for MMS closing
- Continue sPHENIX support
 - HCal prototype assembly
 - EMCal prototype assembly
 - Tilting/rotating Support Structure assembly & test
- Future IR evolution modeling

DC East & West Repairs Summary of Tasks

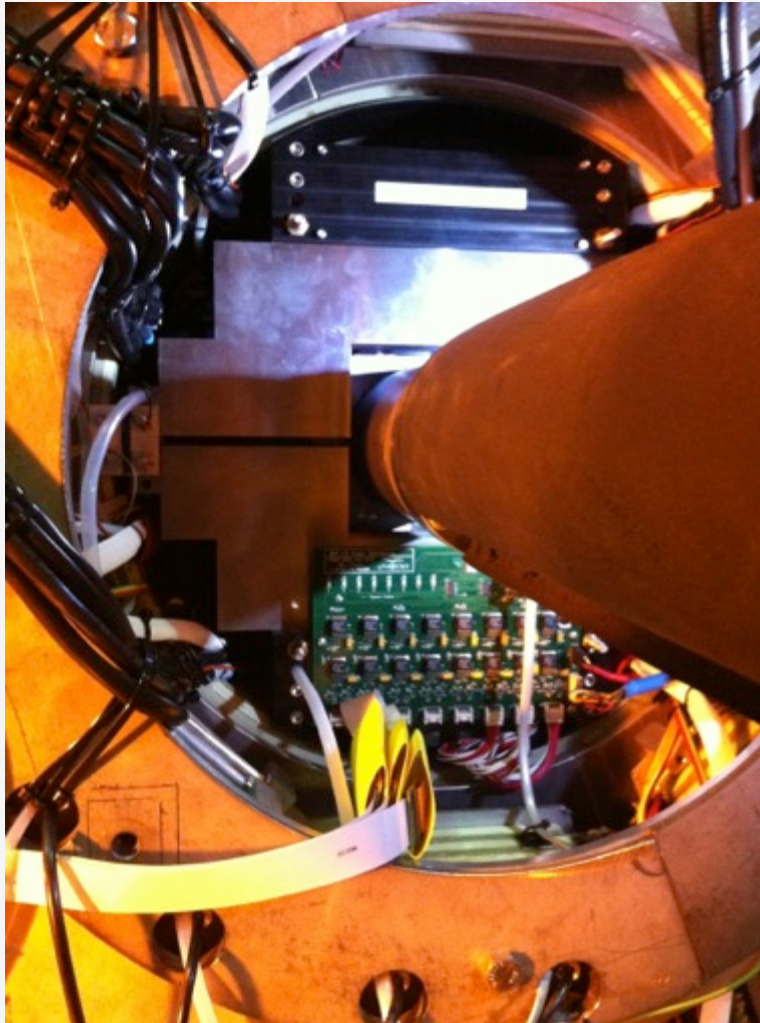
- DC West broken wire removal - In Progress



WEST - SOUTH - NORTH

MPC-Ex Initial (Partial) Installation

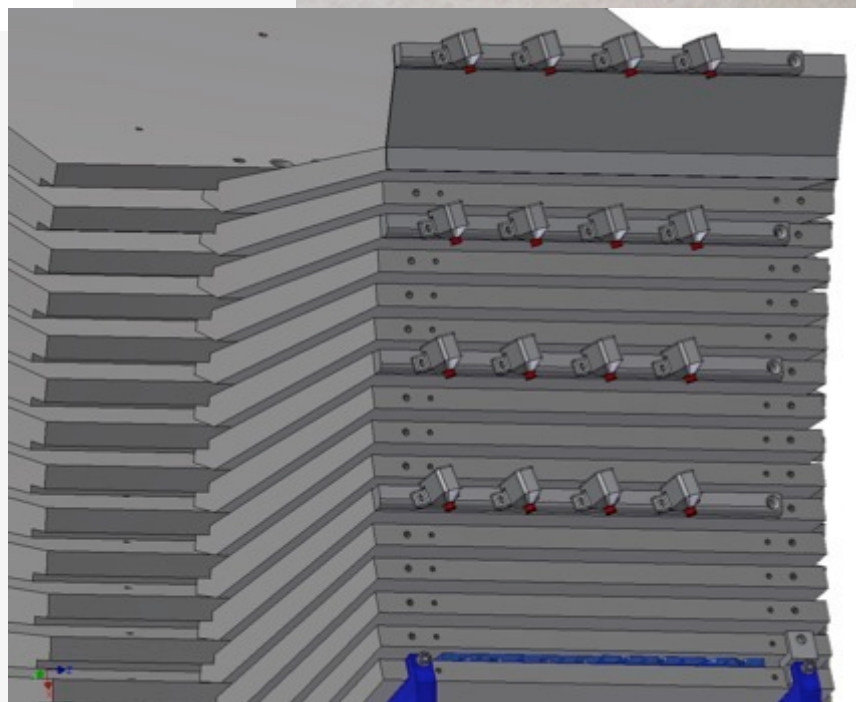
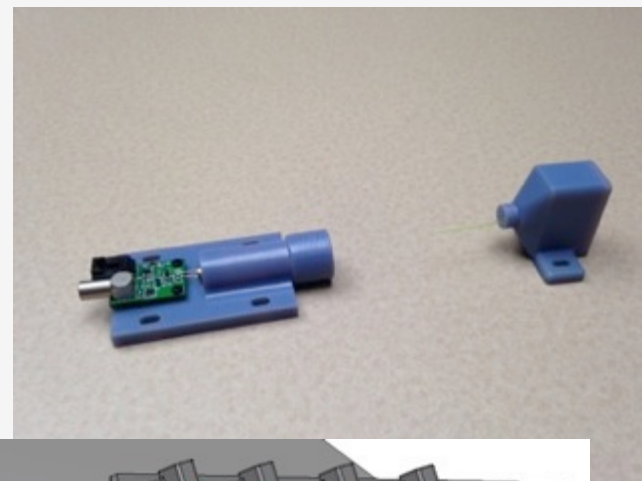
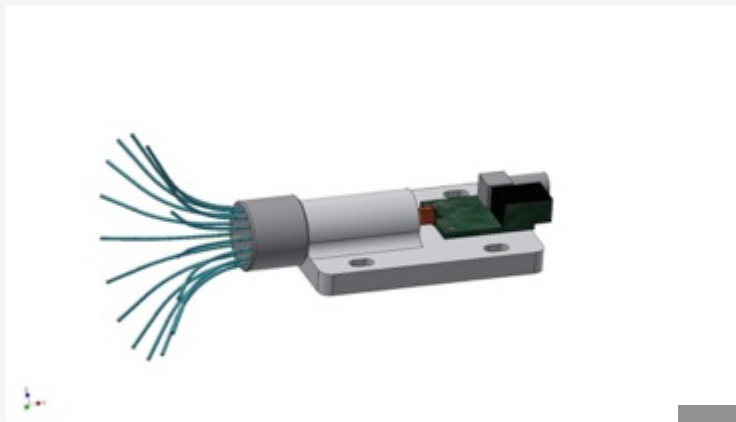
PHENIX FRONT VIEW



Mechanical installation complete
Services connected
Rack assembly & FEM assembly in progress

12/26/2013-1/2/2014

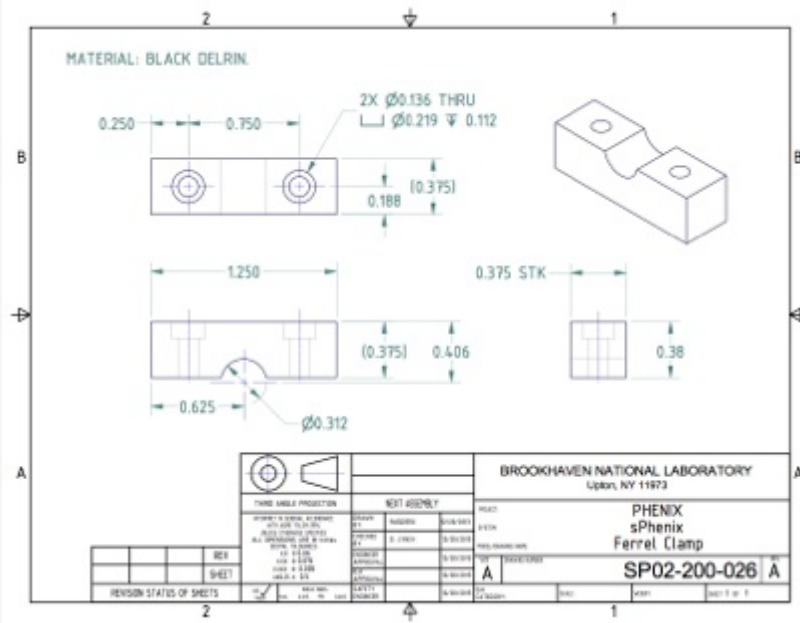
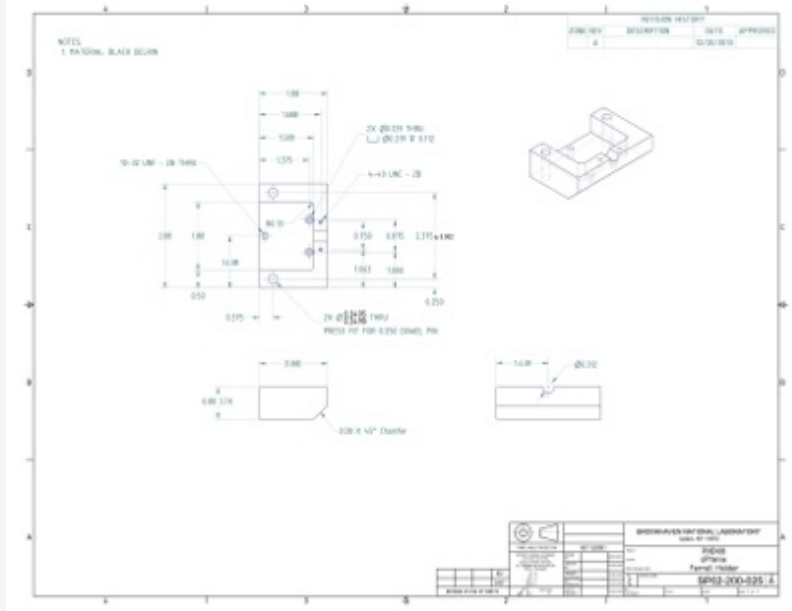
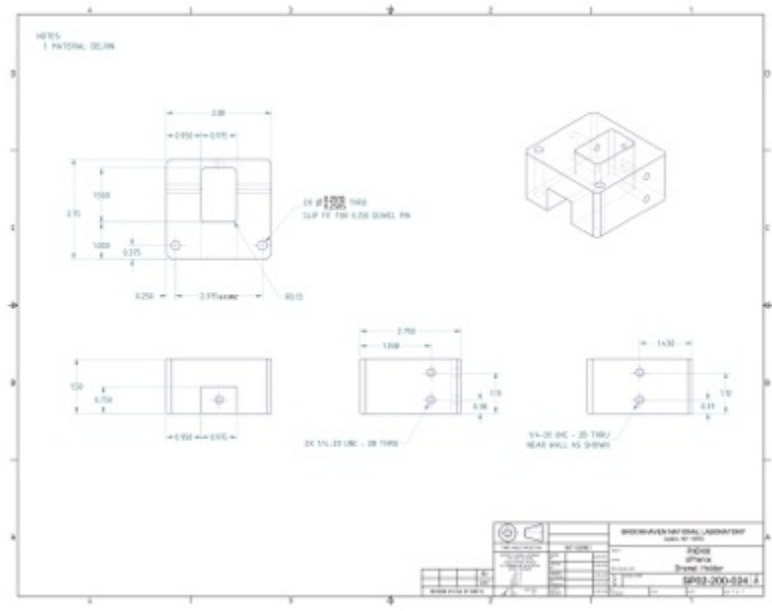
Light Collection for HCal



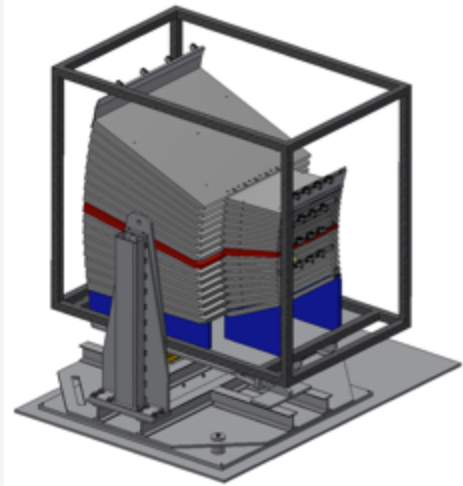
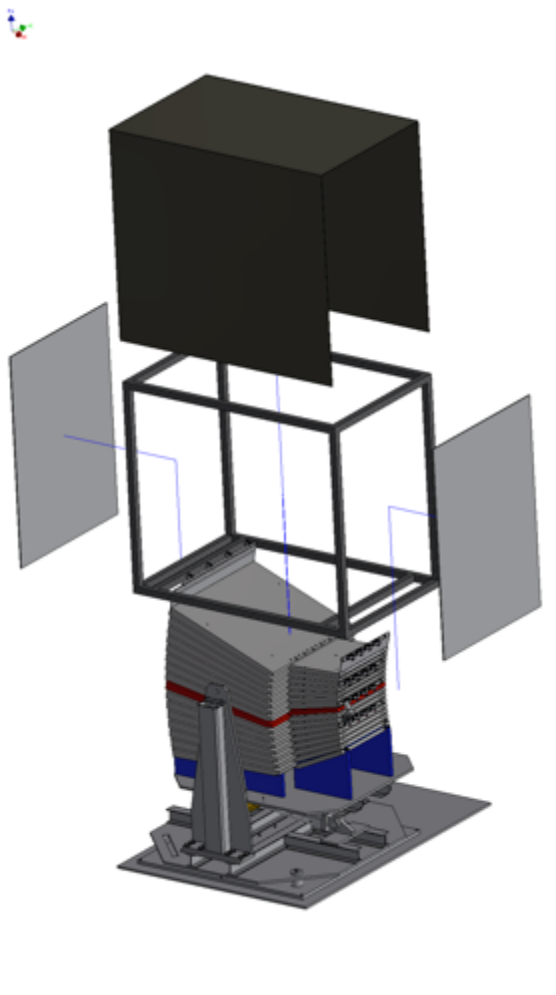
12/26/2013-1/2/2014

Light Collection for Hcal Fiber Cutting Tool

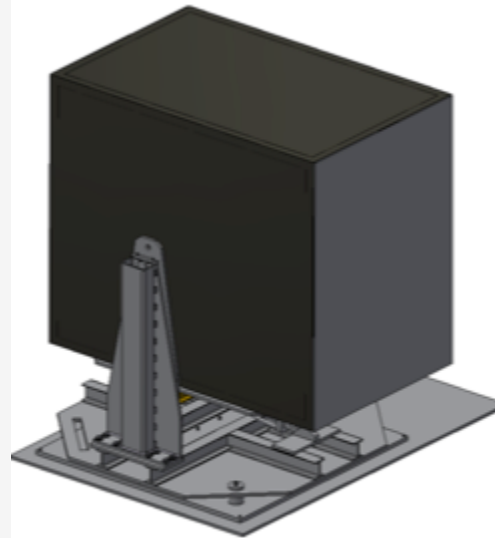
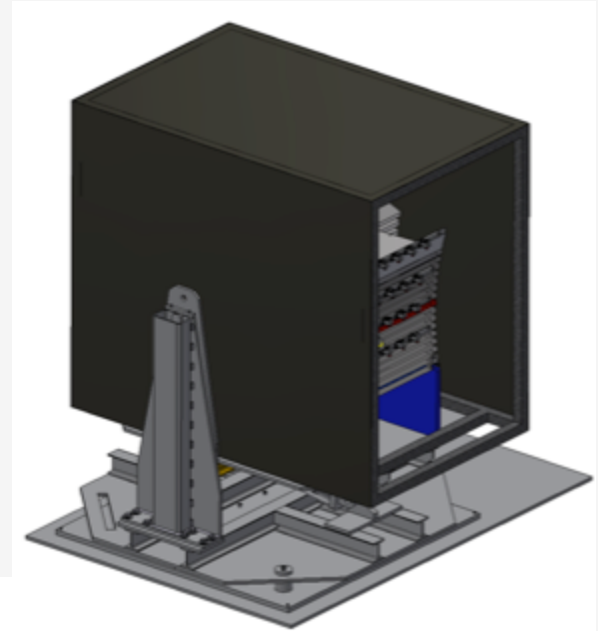
PHENIX sPhenix Ferret Clamp



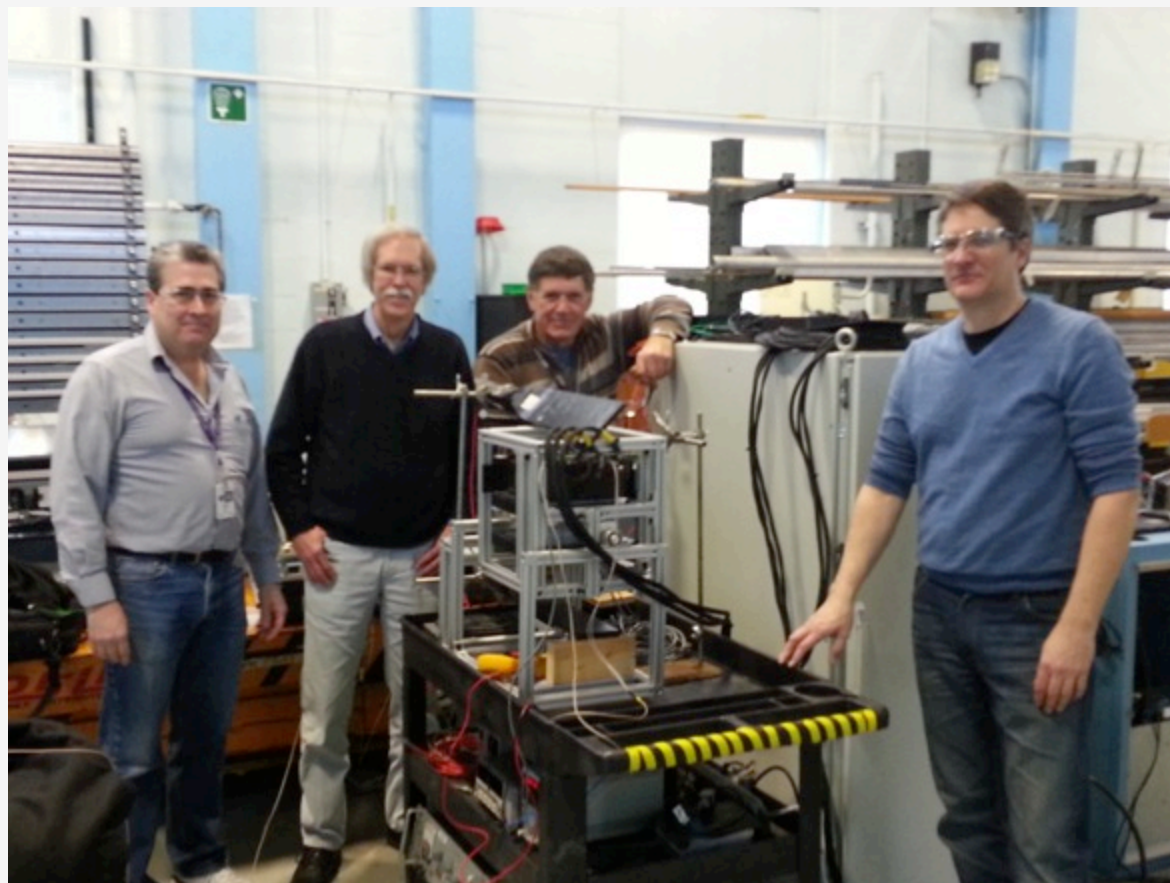
12/26/2013-1/2/2014



Hcal Light-Tight Enclosure



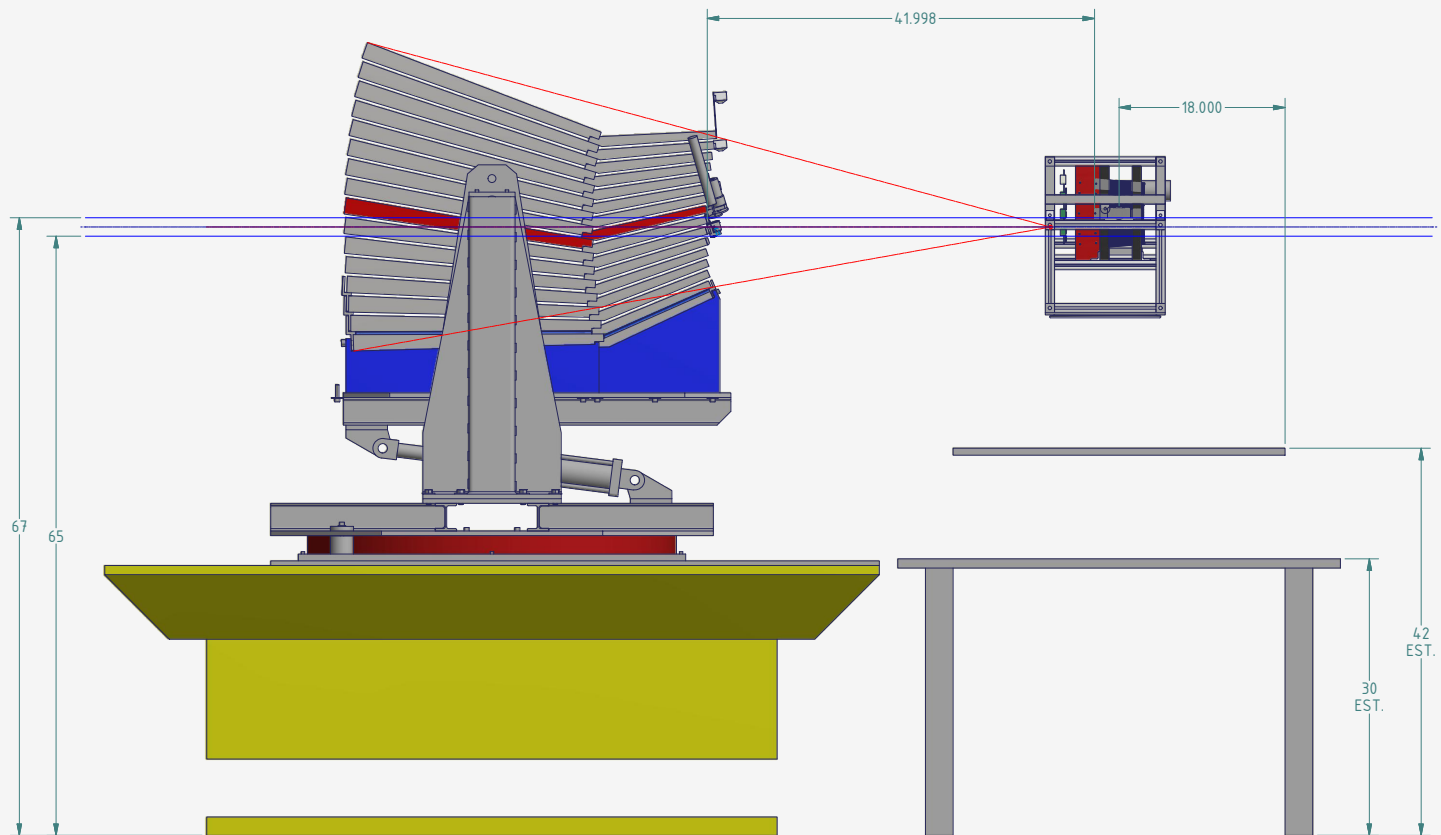
EMCal Ready for Prime Time



12/26/2013-1/2/2014

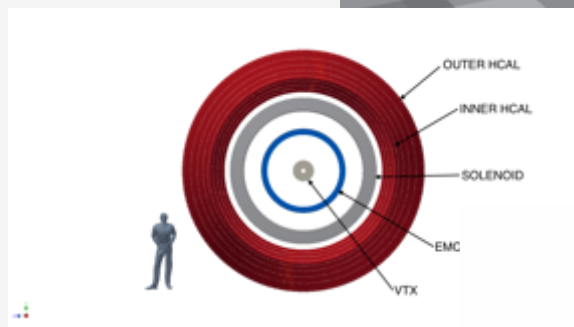
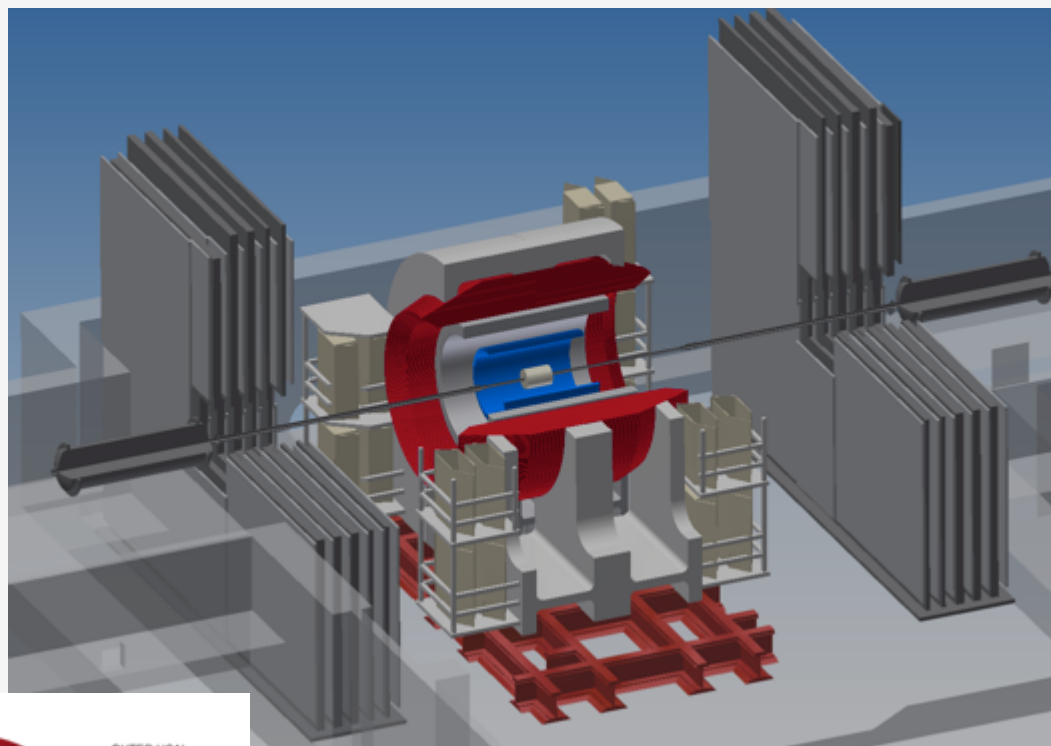
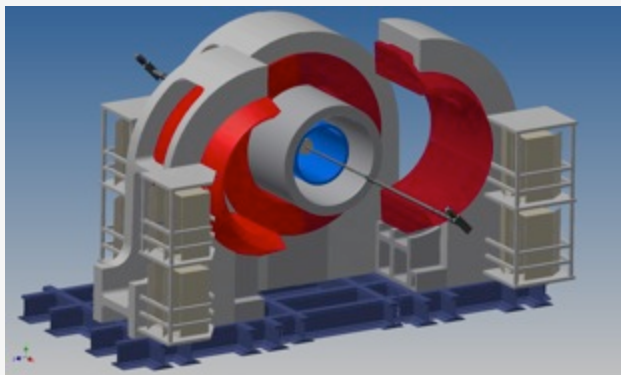
12/26/2013-1/2/2014



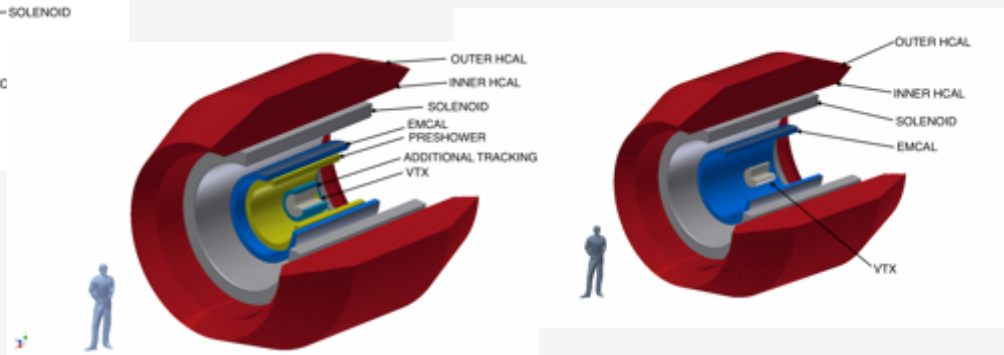


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TECHNICAL SUPPORT

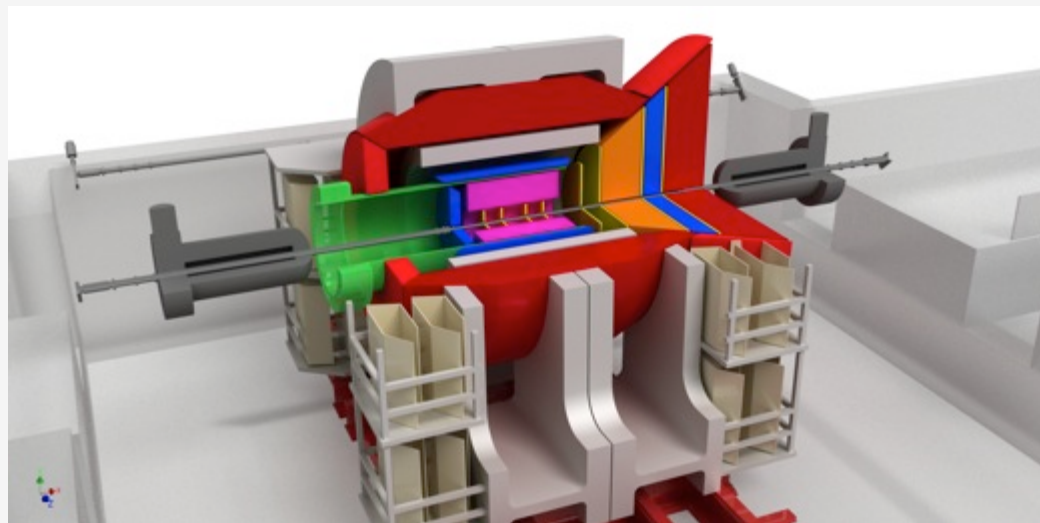


sPHENIX Modeling
support for
updated MIE

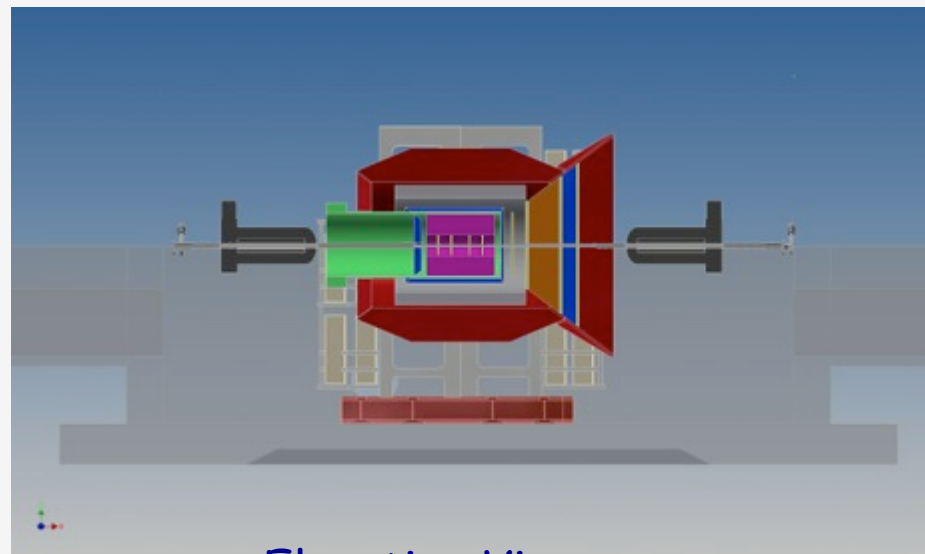
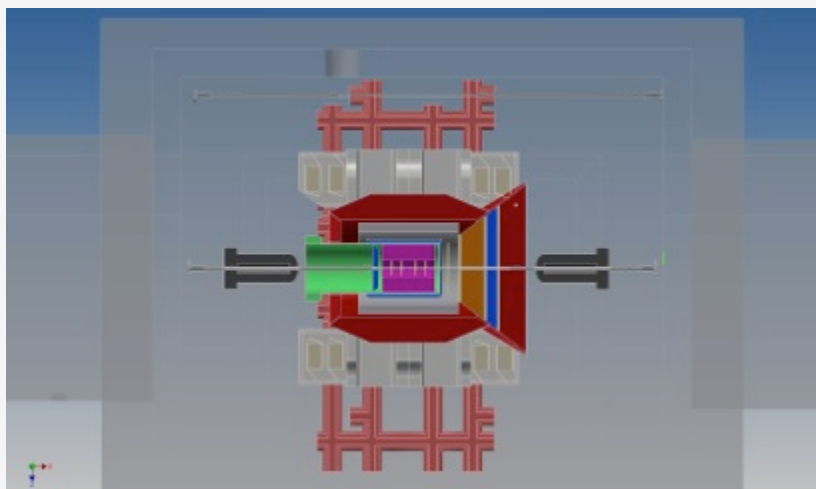


12/26/2013-1/2/2014

ePHENIX



Plan View



Elevation View

12/26/2013-1/2/2014

Re-Insulate Glycol lines



❖ Remove old polyethylene insulation and wrap and replace with foam rubber insulation.

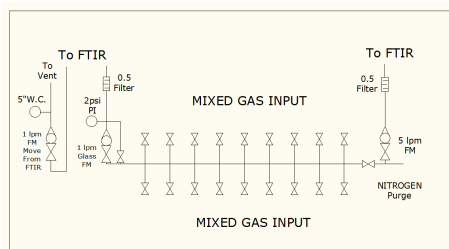
- Temp of fluid is affected too much by temp change in the gas house.
- Lines are condensing and dripping because of gaps in insulation.

GMH Tasks:

Also need to complete Analyzer piping

Simple Manual Distribution Panel

System almost completed.
Will be ready for run 14



Remaining 2013 Shutdown Schedule

TECHNICAL SUPPORT ROOM

sPHENIX HCal & EMCal Prototype Assembly/test	8/19-1/20/2014
VTX/FVTX Bias, LV and signal Cabling and Cooling distribution	Done ?
MPC-Ex LV, Bias and signal cabling and cooling distribution	Done
MPC-Ex installed acceptance tests	Done
Remove and stow station 1 south scaffolding	Done
Pre-run commissioning and detector prep testing for run 14	12/9-1/31/2014
Prep for EC roll in (remove fibers, cooling water and gas)	Done
Remove manlifts from IR	Done
Remove deck plates from IR	Done
Move MuID Collars into IR hold position	Done
Remove 12 ton cart from IR	Done
Roll in EC to run position	Done
Re-connect gas sniffers, water, elect., gas, fibers to EC	In Progress
Fold down EC platforms & reinstall dumb waiter (carpenters)	12/20-1/2/2014
Reconnect EC dumbwaiter lift wiring and TOF blowers	12/26-1/2/2014
Move MMS to run position	1/6/2014
Install the MuID collars	1/7/2014
DC West wire repairs	12/15-12/30/2013
Restore all PHENIX Elec. from shutdown safe modes to operating modes	12/23-1/2/2014
Christmas Holiday	Done
New Year's Day Holiday	1/1/2014
Pink sheets	1/6-1/7/2014
White Sheets	1/2-1/8/2014
Assemble large shielding wall and install plug door (riggers)	1/6-1/17/2014
Blue Sheets	1/6-1/17/2014
Start Watch Shifts	1/7/2014
Start Flammable gas flow	1/13/2014
End of Shutdown Party	1/10/2014
Close shield wall, install radiation interlocks and prepare for run 14	1/31/2014
Start run 14	2/3/2014

12/26/2013-1/2/2014

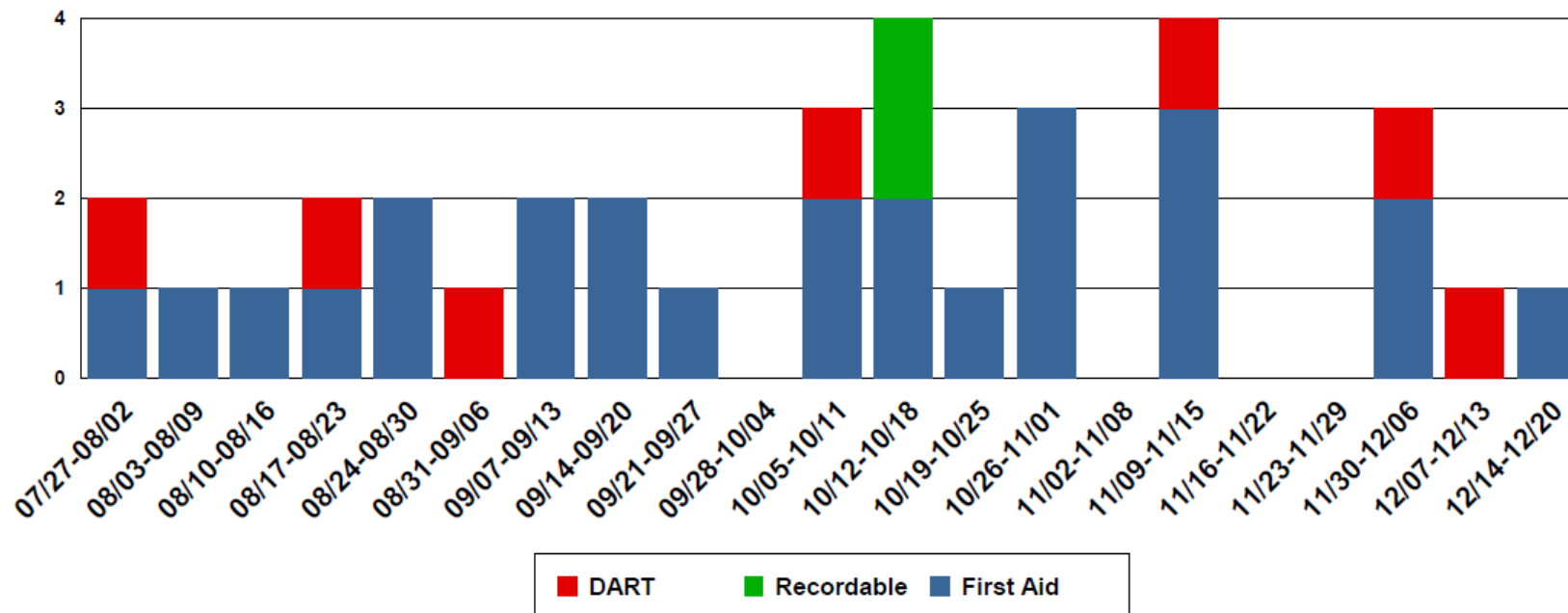
PHENIX Annual Safety Review: Action Items

- Provide a procedure to test the window washer interlocks (Lynch Jan 15, 2014)
- Add (load limit) weight postings on the new gratings covering the cables adjacent to the sill (Lynch Jan 15, 2014)
- Complete the platform gates installation (Phillips Jan 15, 2014)
- Provide the new flammable gases leak rates (Pisani, Jan 10, 2014)
- Provide the updated gas usage quantities (Pisani Jan 10, 2014)
- Add a caution sign not to overfill the NOVEC bottles (Pisani Jan 10, 2014)
- Carry out the Blue Sheeting (CAS, Phillips Feb 1, 2013)
- Document the new ethane installation and leak and pressure testing (Biggs Jan 15, 2014)
- Provide updated sweep procedures (Sampson Jan 15, 2014)
- Carry out an inspection of the installed platform gates (Cirnigliaro Feb 1, 2014)

General:

- Update the PHENIX ECR. (Craner, Jan 15, 2014)
- Update the PHENIX work plan if necessary (Cirnigliaro Jan 15, 2014)
- Carry out a magnetic safety review (Phillips Jan 10, 2014)
- A walk through of the PHENIX detector prior to introduction of flammable gas. (Makdisi et al Jan 10, 2014)
- Update the documented work procedures. (Lynch Continuing from last year)
- Establish trained PHENIX watch shifts. (O'Brien Jan 10, 2014)

Injuries Per Week
As of 12/20/2013



FY14 YTD: DART – 4, TRC – 6, First Aid – 14

FY13: DART – 14, TRC – 37, First Aid – 53

FY12: DART – 19, TRC – 38, First Aid – 69

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seg/Occlnj/BNLInjuries.aspx>

Recent Injuries

12/17/13	First Aid	An employee fell on a small icy patch in a parking lot that was covered in snow, landing on his back. At the clinic, first aid was given and he returned to regular duties.
12/11/13	DART	An employee was crawling under a magnet performing leak checks when he injured his foot. He received first aid at the OMC and was asked to follow up with an orthopedist. As a result, he was placed on restricted duty making this a DART case.

Recent Events		
		None

Where To Find PHENIX Engineering Info

Happy New Year !!
Good Luck to
PHENIX
and sPHENIX
in 2014 !



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

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